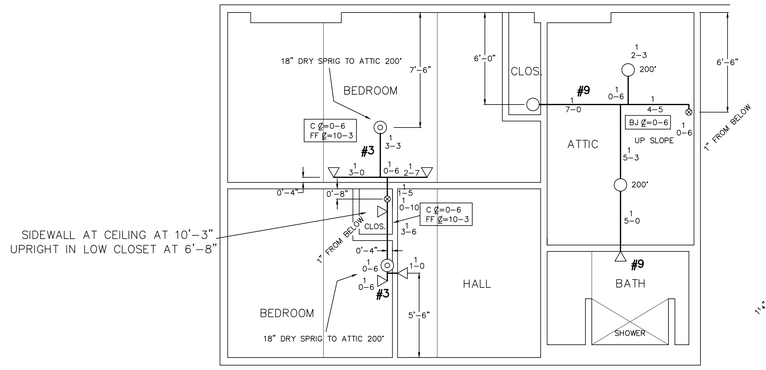
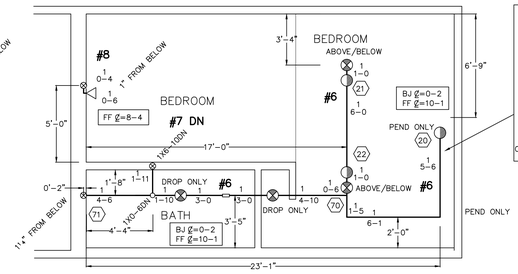


SIDEWALL AT CEILING AT 10'-3"
UPRIGHT IN LOW CLOSET AT 6'-8"



CALC ; 133SPRINGRESAREAS .WXF

HYDRAULIC DATA:

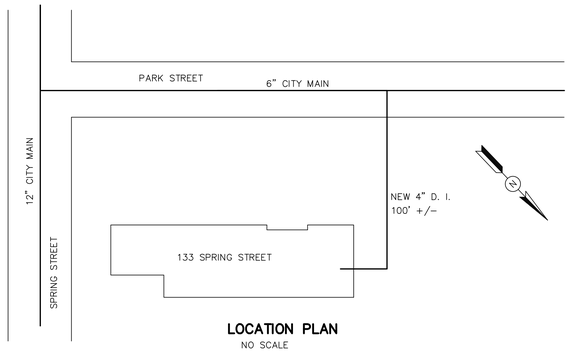
BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
0.10 3 HEADS

TOTAL ORIFICE TEMP
SPRINKLERS 3 1/2" 200'

SYSTEM DEMAND AT CITY:
PRESSURE FLOW HOSE
43.6 45.4 0

SAFETY MARGIN 12.4 PSI
OCCUPANCY: RES. CONCEALED SPACE

THIRD FLOOR AND ATTIC SPACES



LOCATION PLAN
NO SCALE

CALC ; 133SPRINGAPARTMENT .WXF

HYDRAULIC DATA:

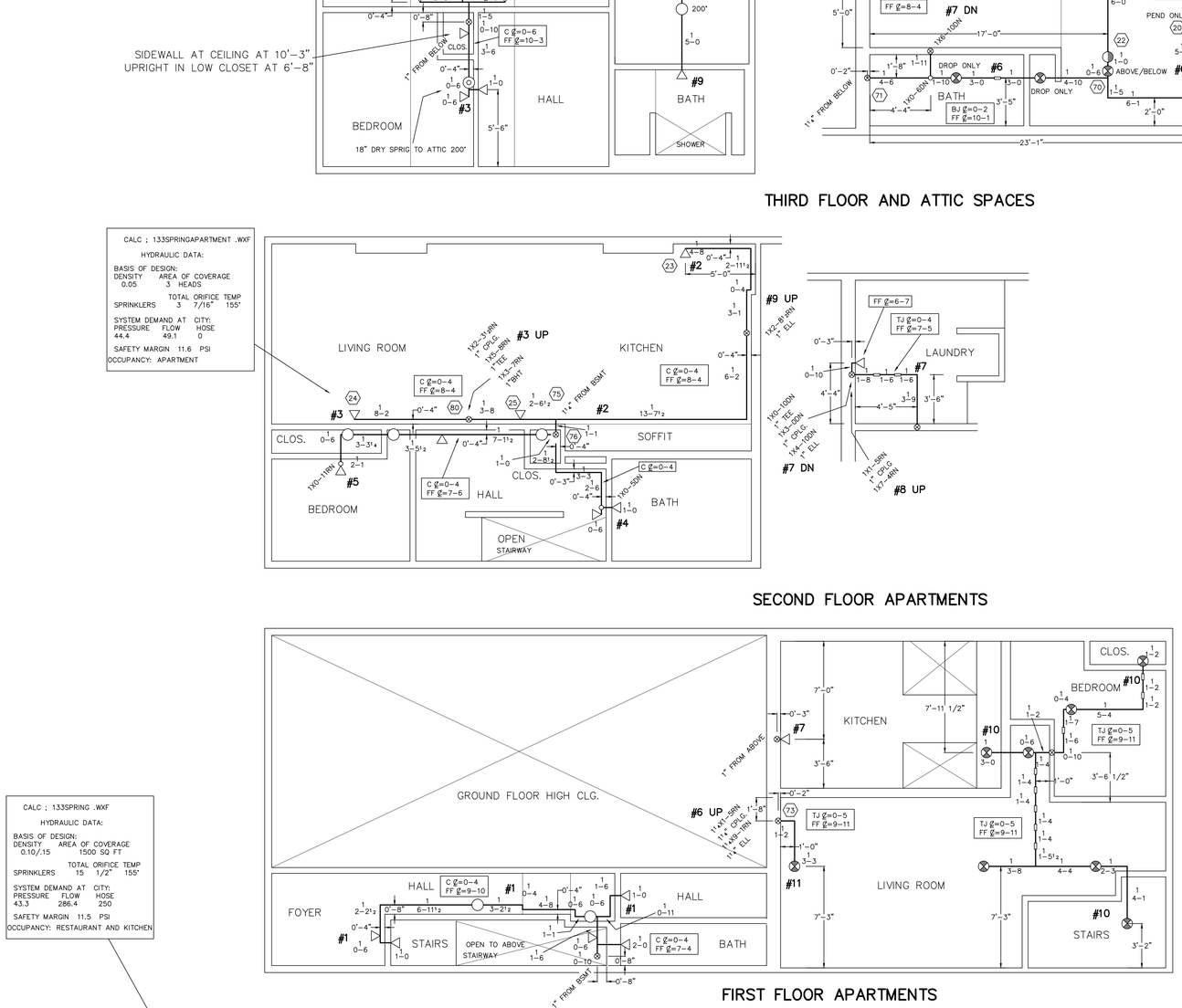
BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
0.05 3 HEADS

TOTAL ORIFICE TEMP
SPRINKLERS 3 7/16" 155'

SYSTEM DEMAND AT CITY:
PRESSURE FLOW HOSE
44.4 49.1 0

SAFETY MARGIN 11.6 PSI
OCCUPANCY: APARTMENT

SECOND FLOOR APARTMENTS



FIRST FLOOR APARTMENTS

CALC ; 133SPRING .WXF

HYDRAULIC DATA:

BASIS OF DESIGN:
DENSITY AREA OF COVERAGE
0.10/.15 1500 SQ FT

TOTAL ORIFICE TEMP
SPRINKLERS 15 1/2" 155'

SYSTEM DEMAND AT CITY:
PRESSURE FLOW HOSE
43.3 286.4 250

SAFETY MARGIN 11.5 PSI
OCCUPANCY: RESTAURANT AND KITCHEN

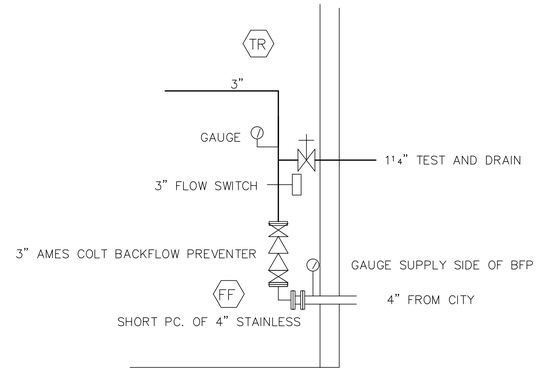
GROUND FLOOR COMMERCIAL SPACE

⊗ 11 / 155°	RELIABLE F1FR	Q R WHITE PENDENTS	1/2"X1/2" K=5.6
◑ 3 / 155°	RELIABLE F1FR	Q R BRASS PENDENTS	1/2"X1/2" K=5.6
○ 14 / 155°	RELIABLE F1FR	Q R BRASS UPRIGHTS	1/2"X1/2" K=5.6
200° ○ 2 / 200°	RELIABLE F1FR	Q R BRASS UPRIGHTS	1/2"X1/2" K=5.6
200° ○ DRY SPRIG 2 / 200°	RELIABLE F1FR	Q R DRY UPRIGHT	1/2"X1/2" K=5.6
◁ 21 / 155°	RELIABLE F1RES44	RES HORIZONTAL WHITE SIDEWALL	1/2"X7/16"" K=4.4
⊗ 12 / 155°	RELIABLE RFC49	RES PENDENT WHITE CONCEALED	1/2"X7/16"" K=4.9

LEGEND

⊗	RELIABLE F1FR	Q R WHITE PENDENTS	155°
◑	RELIABLE F1FR	Q R BRASS PENDENTS	155°
○	RELIABLE F1FR	Q R BRASS UPRIGHTS	155°
200° ○	RELIABLE F1FR	Q R BRASS UPRIGHTS	200°
200° ○ DRY SPRIG	RELIABLE F1FR	Q R DRY UPRIGHT	200°
◁	RELIABLE F1RES44	RES HORIZONTAL WHITE SIDEWALL	155°
⊗	RELIABLE RFC49	RES PENDENT WHITE CONCEALED	155°

C ℄=XX CEILING TO CENTERLINE OF PIPE
FF ℄=XX FIN FLR TO CENTERLINE OF PIPE
BJ ℄=XX BOTTOM OF JOISTS TO CENTERLINE OF PIPE
∘ RISE OR DROP NIPPLE
⊗ RISER BETWEEN FLOORS
(XX) HYDRAULIC REF. POINT



SPRINKLER RISER BELOW STAIR LANDING

SYSTEM CLASSIFICATION

INSTALL A NEW WET PIPE NFPA #13 HYDRAULICALLY CALCULATED SPRINKLER SYSTEM IN ALL AREAS OF THE BUILDING TO MEET NFPA, THE STATE OF MAINE AND THE CITY OF PORTLAND CODES.

THE GROUND FLOOR IS DESIGNED TO MEET LIGHT AND ORDINARY HAZARD.

THE UPPER FLOORS ARE DESIGNED AS RESIDENTIAL OCCUPANCIES.

ALL AREAS OF THE BUILDING TO BE SPRINKLERED INCLUDING ATTICS, CONCEALED SPACES, CLOSETS AND BATHROOMS.

GENERAL NOTES

ALL DIMENSIONS ARE CENTER TO CENTER U/N

ALL 2" AND SMALLER PIPE TO SCH 40 BLACK STEEL

ALL 2" AND SMALLER FITTINGS SHALL BE SCREWED STD. WT. C.I. BLACK U/N

ALL 2½" AND LARGER PIPE IS SCH. 10 LIGHTWALL WITH DUCTILE GROOVED FITTINGS.

ALL HANGER SPACING AND SIZES TO CONFORM TO NFPA #13.

DEAN & ALLYN, INC.
FIRE PROTECTION · SPECIAL HAZARD
PO BOX 709, GRAY, MAINE 04039
(207)657-5646 FAX:(207)657-5647

REVISIONS			/ /	APPROVED BY	DATE	SURVEYED BY	HAK	3-4-14
			/ /		/ /	DRAWN BY	HAK	3-1-14
			/ /		/ /	CHECKED BY	DAS	xxxx
			/ /		/ /	AT DEAN & ALLYN, INC		
			/ /		/ /	SCALE 1/4"=1'-0"		
		REVISIONS	DATE		/ /	SHEET NO. 1 OF 1		

TITLE

JOHN STADLER
133 SPRING STREET
PORTLAND MAINE

NO. OF SPRINKLERS SHOWN ON THIS SHEET: 65
NO. OF SPRINKLERS ON JOB: 65
CONTRACT NO.: C141186